

**IN THE UNITED STATES DISTRICT COURT
FOR THE EASTERN DISTRICT OF VIRGINIA
RICHMOND DIVISION**

PAUL H. UHLE,

Plaintiff,

v.

EXACTECH, INC.

and

EXACTECH U.S., INC.,

Defendants.

Civil Action No.: 3:22-cv-626

COMPLAINT & DEMAND FOR JURY
TRIAL

NOW COMES Plaintiff PAUL H. UHLE (“Plaintiff”), by and through the undersigned attorneys, and brings this action against EXACTECH, INC. (“EXACTECH”) and EXACTECH U.S., INC. (“EXACTECH US”) (hereafter collectively referred to as “Defendants”), for personal injuries and other damages suffered as a proximate result of the implantation of an Optetrak Logic Comprehensive Total Knee System (hereafter as “Optetrak Device”) and alleges as follows:

NATURE OF THE ACTION

1. This is an action for damages relating to Defendants’ developing, designing, testing, assembling, manufacturing, packaging, monitoring, labeling, preparing, distributing, marketing, supplying, storing, and/or selling of the Optetrak Device. The Optetrak Device as referred to in this Complaint includes the Optetrak Comprehensive Total Knee System and/or the Optetrak Logic Comprehensive Knee System.

2. Thousands of patients, like Plaintiff PAUL H. UHLE, have been, and/or will be, required to undergo extensive revision surgery to remove and replace defective Optetrak Devices due to a recent recall of these devices that first revealed to patients and surgeons that the polyethylene

components within the prosthesis prematurely degrade over time, causing an inflammatory response resulting in bone necrosis (death), also known as osteolysis. The recall notice admits that the recall and problems arose from failure to properly package the polyethylene insert component of the Optetrak Device.

3. As a result of Defendants' failure to package the Optetrak Device properly prior to distribution, the polyethylene liner prematurely degraded, and Plaintiff required revision surgery due to severe pain, swelling, and instability in the knee and leg. These injuries were caused by early and preventable wear of the polyethylene insert and resulting component loosening and/or other failures causing serious complications including tissue damage, osteolysis, permanent bone loss and other injuries.

4. Recipients of the Optetrak Device, like Plaintiff PAUL H. UHLE, have been required to undergo revision surgeries well before the estimated life expectancy of a knee implant and at a much higher rate than should reasonably be expected for devices of this kind and have suffered pain and disability leading up to and subsequent to the revision surgery.

5. Despite knowledge that the Optetrak Device was defective and resulted in premature failures and accompanying complications, Defendants only first issued a nationwide recall on February 7, 2022 advising the public that "most of our inserts since 2004 were packaged in out-of-specification... vacuum bags that are oxygen resistant but do not contain a secondary barrier layer containing ethylene vinyl alcohol (EVOH) that further augments oxygen resistance."

6. As a direct and proximate result of the defective nature of Defendants' Optetrak Device surgically implanted in Plaintiff that necessitated premature removal, Plaintiff PAUL H. UHLE suffered and will continue to suffer serious personal injuries, including pain, impaired

mobility, rehabilitation, medical care, loss of enjoyment of life, and other medical and non-medical sequelae.

7. Plaintiff brings this action for personal injuries and damages suffered as a proximate result of failure of the Optetrak Device. Plaintiff accordingly seeks compensatory and punitive damages, and all other available remedies provided to Plaintiff under the law as a result of injuries Plaintiff sustained due to the Defendants' negligent, reckless, and wrongful conduct.

THE PARTIES

8. At all times relevant to this complaint, Plaintiff PAUL H. UHLE was a Virginia resident living at 5408 Tuckahoe Avenue, Richmond, Virginia 23226, located in the City of Richmond, Virginia.

9. Defendant, EXACTECH, INC. is a Florida corporation with its principal place of business at 2320 NW 66th Street, Gainesville, Florida 32653, located in Alachua County.

10. Defendant EXACTECH US, INC. is a Florida corporation with its principal place of business at 2320 NW 66th Street, Gainesville, Florida 32653, located in Alachua County.

JURISDICTION & VENUE

11. Jurisdiction and venue are proper in the Eastern District of Virginia because Defendants are all corporations organized under the laws of the State of Florida, Plaintiff is a citizen of Richmond, Virginia, living at 5408 Tuckahoe Avenue, Richmond, Virginia 23226, and a substantial portion of the tortious conduct alleged in this Complaint took place in the Eastern District of Virginia.

12. At all relevant times, Defendants were responsible for placing the medical devices implanted into Plaintiff into the stream of commerce and advertised, marketed, sold and/or

distributed such products either directly or indirectly to members of the general public, including Plaintiff.

13. At all relevant times, Defendants tested, studied, researched, designed, formulated, manufactured, inspected, labeled, packaged, promoted, advertised, marketed, distributed, and/or sold knee implant systems in the Commonwealth of Virginia and throughout the United States.

14. At all times relevant to this action, Defendants received substantial revenue from goods used or consumed, or services rendered, in the Commonwealth of Virginia.

15. At all relevant times, Defendants were in the business of, and profited from, the design, manufacture, marketing, distribution and/or sale of medical devices, including the knee implants which was implanted in Plaintiff.

16. This Court has jurisdiction over this action pursuant to 28 U.S.C. § 1332, because the amount in controversy exceeds Seventy-Five Thousand Dollars (\$75,000.00), exclusive of interest and costs, and because there is complete diversity of citizenship between the Plaintiff and all Defendants.

FACTUAL BACKGROUND

23. Upon information and belief, the first Optetrak total knee system was available for implantation in 1994, building upon technology licensed from Hospital for Special Surgery.

24. At all times material hereto, Defendants designed, developed tested, assembled, selected, manufactured, packaged, labeled, prepared, distributed, marketed, supplied, warranted, and/or sold the Optetrak Comprehensive Total Knee System and the Optetrak Logic Comprehensive Knee System to hospitals in many states, including to Henrico Doctor's Hospital - Parham in Henrico County, Virginia.

25. Defendants obtained 510(k) clearance from the Food and Drug Administration (“FDA”) for various Optetrak total knee system devices and components between 1994 and 2017 including under the names: Optetrak, Optetrak Logic and Truliant.

26. 510(k) clearance is distinct from the FDA’s pre-market approval (“PMA”) process in that clearance does not require clinical confirmation of safety and effectiveness and as such the manufacturer retains all liability for the assertions of safety and effectiveness.

27. 510(k) clearance only requires the manufacturer to notify the FDA under section 510(k) of the Medical Device Amendments of 1976 to the Food Device Cosmetic Act (MDA) of its intent to market a device at least 90 days prior to the device’s introduction on the market, and to explain the device’s substantial equivalence to a pre-MDA predicate device. The FDA may then “clear” the new device for sale in the United States.

28. All the component parts comprising Plaintiff’s Optetrak Device were cleared for marketing by the FDA pursuant to 510(k) process or were marketed without receiving either 510(k) clearance or PMA approval by the FDA.

29. The Optetrak Total Knee System is classified as a knee joint patellofemorotibial polymer/metal/polymer semi-constrained cemented prosthesis. It features a mix of polyethylene and metal-based components.

30. According to the Defendants, the device “introduces novel implants and instruments to make the total knee procedure, easier, faster and more consistent, improving patient satisfaction for a more diverse population requiring total knee replacements.”

31. The Optetrak Device is comprised of the following parts: a patellar cap, femoral cap, tibial insert and tibial tray, as shown below.



32. The patellar cap and tibial insert are made of polyethylene.

33. Defendants touted the Optetrak Device as being first-in-class in their product brochures.

34. In their marketing materials, the Defendants promised that the Optetrak Device had excellent long-term clinical outcomes and that “surgeons and patients can have every confidence in the performance and longevity of the Optetrak knee system.”

35. Defendants promoted their Optetrak Devices as a system with nearly three decades of clinical success and proven outcomes for patients around the world because of an improved articular design resulting in low polyethylene stresses.

36. However, Optetrak Devices have performed poorly when compared to its competitors. For example, the Australian Orthopaedic Association, a preeminent, internationally recognized orthopedic implant registry, has identified the Optetrak as an implant with a higher-than-expected rate of revision.

37. According to the 2020 Australian National Joint Replacement Registry, the rate of revision for a total knee replacement utilizing an Optetrak tibial component with a Optetrak-CR

femoral component was 8.5% at ten years and 10.2% at ten years when implanted with a Optetrak-PS femoral component which far exceeds international guidelines for accepted revision rates.

38. Per the recommendations established by the International Benchmarking Working Group and applied by the Australian Orthopaedic Association, the Optetrak Devices do not qualify for a “superiority benchmark” or even a “non-inferiority benchmark.”

39. At all times relevant, Defendants have been aware of a high rate of early failures associated with the Optetrak Device.

40. Upon information and belief, by 2012, Defendants had further clinical evidence that Optetrak Devices were failing at a rate higher than promoted. Reports in the Manufacturer and User Facility Device Experience (MAUDE) indicate instances of revision due to “loose tibial component”, “aseptic loosening”, “pain and visible loosening”, “polyethylene deformation”, “polyethylene worn”, and “pain, limited mobility, knee swelling and sensitivity” due to “loose” joint.

41. Upon information and belief, in 2013, complaints continued to be reported. Some examples include revision for “tibial loosening” just two years postoperatively, “revision due to tibial loosening”, “during revision, the tibial component was found to be loose and easily removed”, “revision of knee component due to loosening”, “revision due to pain and loosening.”

42. Upon information and belief, the complaints of early onset failures continued in 2014. Some examples include “revision due to tibial loosening”, “tibial loosening”, “revision of optetrak knee components due to tibial loosening”, “revision due to pain and loosening”, “revision of optetrak knee components due to aseptic loosening”, several reports described as “revision of knee components due to tibial loosening”, and “revision of optetrak knee components reportedly due [to] aseptic loosening”.

43. The general practice in orthopedic implant surgeries generally, and with Exactech implants specifically, is for the sale representative of the manufacturer, in this case Exactech's authorized representative and agent, hereinafter "the sales rep", to be present at the time of surgery to provide implant components to the surgeon, relieving the hospital of the responsibility for having on stock all potential sizes and components that may be needed in surgeries. This practice includes the original implant surgery and any revision surgery.

44. The sales reps of Exactech observed many instances of premature failures of the Optetrak Device with plain evidence upon revision of polyethylene debris that needed to get removed, a/k/a "debrided", visible bone loss or osteolysis and plainly loose components that were easy to remove due to lack of fixation. Often these sales reps would take the component from the surgeon to return to the company for inspection and analysis.

45. The sales reps of Exactech were under a duty to report these findings to the engineering and medical departments of Exactech who were under a duty to then do an investigation, analyze the removed component when available, also known as "retrieval analysis" and honestly and thoroughly report such findings to the FDA and the surgeons.

46. Despite Defendants' knowledge of early onset failures of the Optetrak Device, Defendants continued to manufacture, promote, and distribute the Optetrak Device without alerting surgeons, patients or the FDA of the potential increased risks of early onset failures of the Optetrak Device.

47. Defendants never changed the labeling, marketing materials or product inserts to adequately and accurately warn patients or physicians of the associated increased risks of early failure due to loosening and/or polyethylene wear.

48. Not until August 30, 2021 did the Defendants take some action and issue a partial

recall of all Optetrak All-polyethylene tibial components, including the OPTETRAK All-polyethylene CC Tibial Components; OPTETRAK All-polyethylene CR Tibial Components; OPTETRAK All-polyethylene CR Tibial Sloped Components; OPTERAK All-polyethylene PS Tibial Components; OPTETRAK HI-FLEX PS Polyethylene Tibial Components; OPTETRAK Logic All-polyethylene CR Tibial Components; OPTETRAK Logic All-polyethylene CRC Tibial Components; OPTETRAK Logic All-polyethylene PSC Tibial Components; OPTETRAK Logic Modular PS Tibial Components; OPTETRAK Logic RBK PS Tibial Components; TRULIANT CR Tibial Inserts; TRULIANT CRC Tibial Inserts; TRULIANT PS Tibial Inserts; and TRULIANT PSC Tibial Inserts.

49. In issuing the August 2021 recall, Defendants stated “inserts were packaged in vacuum bags that lacked an additional oxygen barrier layer.” *See* <https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfRes/res.cfm?ID=189266>

50. According to the FDA website, “Exactech began notification to distributors and sales representatives on about 08/30/2021 via letter titled ‘URGENT MEDICAL DEVICE RECALL.’ Actions being taken by Exactech included removing all Knee and Ankle UHMWPE products labeled with an eight-year shelf life and not packaged in EVOH/Nylon bags. This will be performed in a phased approach over the next 12 months. Phase 1 includes immediately return all knee and ankle UHMWPE devices labeled with an 8-year shelf life that will be 5 years old or older by 08/31/2022 not packaged in EVOH/Nylon bags. Phase 2 includes, between 05/31/2022 to 08/31/2022, returning all remaining knee and ankle UHMWPE devices labeled with an 8-year shelf life not packaged in EVOH/Nylon bags.” *Id.*

51. Despite initial communications with distributors and sales representatives, Defendants did not issue any communications to surgeons who had implanted Optetrak Device

with a recalled polyethylene component or to patients who had received an Optetrak Device with a recalled polyethylene component until months later in February 2022.

52. On February 7, 2022, Defendants issued an “Urgent Medical Device Correction” in which it informed health care professionals that:

After extensive testing, we have confirmed that most of our inserts manufactured since 2004 were packaged in out-of-specification (referred to hereafter as “non-conforming”) vacuum bags that are oxygen resistant but do not contain a secondary barrier layer containing ethylene vinyl alcohol (EVOH) that further augments oxygen resistance. **The use of these non-conforming bags may enable increased oxygen diffusion to the UHMWPE (ultra-high molecular weight polyethylene) insert, resulting in increased oxidation of the material relative to inserts packaged with the specified additional oxygen barrier layer. Over time, oxidation can severely degrade the mechanical properties of conventional UHMWPE, which, in conjunction with other surgical factors, can lead to both accelerated wear debris production and bone loss, and/or component fatigue cracking/fracture, all leading to corrective revision surgery.**

See <https://www.exac.com/wp-content/uploads/2022/02/Exactech-DHCP-letter.02.07.2022.pdf>

53. The “Urgent Medical Device Correction” went on to further state that Defendants were expanding the recall to include all knee arthroplasty polyethylene inserts packed in non-conforming bags regardless of label or shelf life. The components subject to the recall now included: OPTETRAK: All-polyethylene CR Tibial Components, All-polyethylene PS Tibial Components, CR Tibial Inserts, CR Slope Tibial Inserts, PS Tibial Inserts, HI-FLEX PS Tibial Inserts; OPTETRACK Logic: CR Tibial Inserts, CR Slope Tibial Inserts, CRC Tibial Inserts, PS Tibial Inserts, PSC Tibial Inserts, CC Tibial Inserts; and TRULIANT: CR Tibial Inserts, CR Slope Tibial Inserts, CRC Tibial Inserts, PS Tibial Inserts, PSC Tibial Inserts. *Id.*

54. It is estimated that a total of 147,732 inserts implanted in the United States since 2004 were produced with non-conforming packaging. *Id.*

55. Defendants further acknowledged the original Optetrak knee system has shown

statistically significant higher overall revision rates compared to other total knee arthroplasties in the Australian, United Kingdom and New Zealand joint registries. *Id.*

56. Specifically, reasons for revision associated with polyethylene wear, including loosening, lysis, and pain, were increased three-to seven-fold with the Optetrak total knee replacement combination of the Optetrak-PS/Optetrak according to the 2021 Australian National Joint Replacement Registry with revision diagnoses related to accelerated polyethylene wear possibly related to the non-conforming packaging. *Id.*

57. Implanting surgeons were advised in the February 2022 notice to contact patients previously implanted with recalled components and to schedule an evaluation if the patient is experiencing any new or worsening knee swelling, pain while walking, inability to bear weight, grinding or other noise, instability, or any new symptoms of clicking in the knee. *Id.*

58. Furthermore, Defendants advised surgeons that revision surgery should be considered for patients who exhibit premature polyethylene wear. *Id.*

59. Based on Defendants' own representations, since 2004, Defendants manufactured, promoted, and distributed the Optetrak Device without ensuring the polyethylene components were properly packaged to prevent or minimize oxidation. At no point until August 2021 did Defendants first modify the packaging in an effort to address this defect.

60. In approximately 2017/2018, Exactech, Inc. was in the process of being acquired by the Private Equity Group TPG Capital which in February 2018 successfully completed a merger agreement. As a result, TPG acquired all of the issued and outstanding common stock of Exactech. In connection with the transaction, Exactech's founders, CEO and certain other management shareholders exchanged a portion of their shares in the transaction, for new equity securities in the post-closing ownership of the Company. See <https://www.exac.com/exactech-announces->

completion-of-merger-with-tpg-capital/

61. Disclosure of knowledge of the improper packaging and excessive premature failure rates could have harmed this transaction.

62. At all times relevant to this action, Defendants were aware of the Optetrak Device's propensity to undergo substantial early polyethylene wear consisting of the degradation and breakdown of the plastic chemicals causing toxicity to the tissue and bone and component loosening and/or other failure causing serious complications including tissue damage, osteolysis, and other injuries as well as the need for revision surgery and its attendant complications in patients.

63. At all times relevant to this action, Defendants failed to acknowledge the manufacturing defects in the Optetrak Device due to poor and inadequate quality assurance procedures and due to a wanton and reckless disregard for public safety. Defendants also failed to implement or utilize adequate safeguards, tests, inspections, validation, monitoring and quality assessments to ensure the safety of the Optetrak Device.

64. At the time the Optetrak Device was manufactured and sold to patients, including Plaintiff, the device was defectively manufactured, packaged and unreasonably dangerous, and did not conform to the federal regulations subjecting patients to unreasonable risks of injury.

65. At all times relevant to this action, Defendants' inadequate manufacturing processes also led to material flaws in the quality systems at its manufacturing, packaging, storage and distribution facilities.

66. During the course of manufacturing and distributing the Optetrak Device, Defendants failed in several ways, including, without limitation, by:

- a. Failing to conduct adequate mechanical testing, including oxygen-resistance or other wear testing for the components, subassemblies, and/or

finished Optetrak Device;

- b. Failing to test an adequate number of sample devices on an ongoing basis;
- c. Failing to take adequate steps to specifically identify failure modes with clarity and to suggest methods to monitor, avoid, and/or prevent further failures;
- d. Failing to identify and/or note the significance of any testing that resulted in failure of the Optetrak Device;
- e. Failing to take corrective actions to eliminate or minimize further failures of the Optetrak Device;
- f. Failing to adequately explain packaging specifications for the components, subassemblies, and/or finished Optetrak Device;
- g. Failing to perform adequate quality control before the components, subassemblies, and/or finished Optetrak Device were distributed;
- h. Failing to properly address reports from their sales representatives who reported their observations while attending revision surgeries where evidence of polyethylene debris and osteolysis was apparent and noted by the surgeons and the sales representatives themselves;
- i. Failing to timely implement corrective action and investigations to understand the root cause of these failures while continuing to sell the components knowing they would be implanted into the bodies of thousands of people; and
- j. Becoming aware of the potential cause or causes but unreasonably avoiding informing patients and surgeons and delaying the ability to minimize

damages as the devices continued to degrade and do damage in the patients' bodies.

67. On or before the date of Plaintiff's initial knee replacement surgery, Defendants knew or should have known the Optetrak Device was failing and causing serious complications after implantation in patients. Such complications included, but were not limited to, catastrophic polyethylene wear including the deposition of plastic particulate wear debris throughout the knee, a high rate of component loosening, and overall early system failure resulting in tissue destruction, osteolysis, and other injuries causing severe pain, swelling, instability and dysfunction in the knee and leg necessitating revision surgery.

68. Defendants as manufacturers of orthopedic devices know that each surgery, especially a revision surgery, is always more complicated than an initial knee replacement surgery and is fraught with serious risks of infection, anesthesia errors, dislocations and other serious complications that should be avoided.

69. Defendants, however, ignored reports of early failures of their Optetrak Device and failed to promptly investigate the cause of such failures or issue any communications or warnings to orthopedic surgeons and other healthcare providers.

70. Before the date of Plaintiff's initial knee replacement surgery, Defendants knew or should have known that the Optetrak Device was defective and unreasonably dangerous to patients, that the product had an unacceptable failure and complication rate, and that the product had a greater propensity to undergo substantial early polyethylene wear, component loosening and/or other failure causing serious complications including tissue damage, osteolysis, and other injuries as well as the need for revision surgery in patients.

PAUL H. UHLE'S IMPLANT AND REVISION SURGERY

71. On or about November 15, 2011, Plaintiff PAUL H. UHLE underwent a right total knee replacement surgery and was implanted with an Optetrak Logic PS Primary System, including an Optetrak Logic PS Tibial Insert, size 3, 9 mm made of polyethylene, Optetrak Logic femoral component, and Optetrak Logic posterior stabilized tibial tray. Plaintiff's total knee replacement surgery was performed at Henrico Doctor's Hospital – Parham in Henrico County, Virginia.

72. Plaintiff PAUL H. UHLE eventually developed pain and instability in his right knee.

73. On or about December 20, 2018 Plaintiff PAUL H. UHLE underwent right total knee replacement revision surgery to remove and replace the defective Optetrak Logic PS Tibia Insert and also remove replace the femoral component and tibial tray. The surgery was performed Henrico Doctor's Hospital – Parham in Henrico County, Virginia.

74. During the surgery, Plaintiff's orthopedic surgeon found significant synovitis, which had to be excised. His revision surgery findings included wear patterns within the polyethylene tibial insert along the post as well as the ridges in both the medial and lateral bearing surfaces. Upon removal of the tibial tray Plaintiff's surgeon noted cystic erosions and some bone loss.

75. In or around June or July 2022 Plaintiff PAUL H. UHLE was informed for the first time that the knee implant he received in 2011 was subject to a recall. Plaintiff PAUL H. UHLE was provided the Exactech "Dear Patient" letter by his orthopedic surgeon.

76. Upon information and belief, Plaintiff's right knee pain and instability were due to premature polyethylene wear of the tibial insert.

77. Despite undergoing the revision surgery, Plaintiff experiences daily pain and discomfort in his right knee which limits his activities of daily living and impacts his quality of life.

78. Further, Defendants, through its affirmative misrepresentations and omissions, actively concealed from Plaintiff and Plaintiff's health care providers the true and significant risks associated with the Optetrak Device and the need to vigilantly do diagnostic procedures to promptly diagnose the insidious process of the toxic polyethylene particles degrading and causing osteolysis.

79. Defendants know that after the one-year checkup following a total knee arthroplasty, typically patients are not expected to return for monitoring absent problems. Thus, Defendants knew that unless they informed surgeons to call their patients back for periodic radiologic monitoring that polyethylene chemical degradation and attendant osteolysis could be occurring unchecked until it reached the stage of severe bone loss.

80. As a direct, proximate and legal consequence of the defective nature of the Optetrak Device as described herein, Plaintiff has suffered and continues to suffer permanent and debilitating injuries and damages, including but not limited to, significant pain and discomfort; gait impairment; poor balance; difficulty walking; component part loosening; soft tissue damage; bone loss; and other injuries presently undiagnosed, which all require ongoing medical care.

81. As a further direct, proximate and legal consequence of the defective nature of the Optetrak Device, Plaintiff has sustained and will sustain future damages, including but not limited to cost of medical care; rehabilitation; home health care; loss of earning capacity; mental and emotional distress; and pain and suffering.

TOLLING OF STATUTE OF LIMITATIONS

82. Pursuant to VA Code §§ 8.01-249 (4a); (9), Plaintiff sustained injuries caused by the implantation of a medical device and the latent effects of exposure to polyethylene and the resins used to process the polyethylene and the degradation byproducts of those toxic materials.

83. The breakdown and wear of polyethylene, a plastic, leads to the release of toxic compounds, including chemical additives and nanoplastics. *See* Rillig, Matthias C. *et al.*, “The Global Plastic Toxicity Debt,” *Environ. Sci. Technol.* 2021, 55, 2717-2719.

84. All plastics contain additional chemicals or additives and may contain impurities such as catalyst residues, unreacted monomers or breakdown products which possess toxic properties that can adversely affect human health. *Id.*

85. A comparison of muscle tissue from patients implanted with ceramic liners versus polyethylene liners during total hip arthroplasty demonstrated decreased osteolysis and capsule atrophy as well as less structural change to the muscles. *See* Hernigou, Phillippe *et al.*, “Ceramic-on-ceramic THA Associated With Fewer Dislocations and Less Muscle Degeneration by Preserving Muscle Progenitors,” *Clin Orthop Relat Res* (2015) 473:3762-3769.

86. In patients who develop osteolysis, there is osteolysis-associated reduced bone regenerative capacity with a decreased in mesenchymal stem cells (MSCs) that is accompanied by reduced muscle mass and increased fatty degeneration. *Id.*

87. For polyethylene implants with resulting osteolysis, a “possible mechanism was evaluated by an experimental study demonstrating that contact PE (polyethylene) particles inhibit the osteogenic activity of osteoprogenitor cells... which may result in reduced periprosthetic bone regeneration.” *Id.*

88. To date, most plastic chemicals remain unknown and the toxic hazards of

potentially thousands of chemicals humans are exposed to remain unknown, and thus, unregulated. *See* Zimmerman, Lisa *et al.*, “Plastic Products Leach Chemicals That Induce *In Vitro* Toxicity under Realistic Use Conditions,” *Environ. Sci. Technol.* 2021, 55, 11814-11823.

89. Plastics contain several thousand extractable chemicals which induce *in vitro* toxicity. *Id.*

90. “Our study highlights that plastic products leach chemicals triggering toxicity... the prevalent antiandrogenicity is an indicator for the leaching of endocrine-disrupting chemicals relevant for human health. Our results also show that many more chemicals are migrating from plastics than previously known.” *Id.*

91. Furthermore, gamma-sterilized ultra-high molecular weight polyethylene contains macroradicals that will react with available oxygen in air or dissolved in bodily fluids. Kurtz, Steven M., *UHMWPE Biomaterials Handbook*, “Packaging and Sterilization of UHMWPE” (2016).

92. By virtue of Defendants’ recall notice and representations on their website, Defendants describe a process by which sterilization of the tibial insert is achieved by gamma radiation in a reduced oxygen environment by use of oxygen barrier packaging. *See* <https://www.exac.com/wp-content/uploads/2022/02/Exactech-DHCPletter.02.07.2022.pdf>; “Optimizing Polyethylene Materials to the Application: When it Comes to Manufacturing Methods, Hips are Not Knees,” available at <https://www.exac.com/optimizing-polyethylene-materials-to-the-application/> (March 14, 2017).

93. “Gamma sterilization... initiate[s] a complex cascade of chemical reactions in the polymer, which ultimately result[s] in oxidation and subsequent degradation of material properties.” *See UHMWPE Biomaterials Handbook.*

94. Any statute of limitations is tolled under Virginia Code §§ 8.01-249 (4a); (9) because development of polyethylene wear is a latent condition caused by years of exposure to the unknown, toxic properties of polyethylene that could not be appreciated until Plaintiff was informed by his orthopedic surgeon that he received a recalled knee implant. Further, Plaintiff did not know and could not reasonably have known about the injury and its causal connection to the device until Plaintiff was informed by his orthopedic surgeon that he had one of the Exactech recalled knee implants, which occurred in or around June or July of 2022.

95. Defendants, through its affirmative misrepresentations and omissions, actively concealed from Plaintiff and Plaintiff's healthcare providers the true and significant risks associated with the Optetrak Device.

96. Following implantation of the Optetrak Device, Plaintiff and Plaintiff's healthcare providers relied on Defendants' continued representations that the Optetrak Device had excellent long-term clinical outcomes.

97. Defendants made these representations with knowledge of their falsity given their knowledge of reports of high failure rates.

98. As early as 2007, the Australian Joint Registry identified the Optetrak Device as having a higher than anticipated rate of revision.

99. According to the Australian Joint Registry published in 2007, use of the Optetrak-PS femoral component with an Optetrak tibial component resulted in a 6.23% revision rate at three years and 6.64% revision rate at four years. The Registry identified use of these components as "Individual Primary Total Knee Prostheses with higher than anticipated revision rates either alone or in combination."

100. The cumulative rate of revision with use of the Optetrak-PS femoral component

and an Optetrak tibial component continued to increase. Data from the 2008 and 2009 Australian Joint Registry demonstrated a revision rate of 6.7% and 7.0% at five years, respectively.

101. By 2010, the use of the Optetrak-PS femoral component and Optetrak-PS tibial components were “identified and no longer used” as a result of a 21% cumulative revision rate at five years. This rate increased to 22.7% the following year.

102. Identification of problems with the Optetrak-PS tibial component continued to grow. According to the 2015 registry data, “[t]he Optetrak PS all-polyethylene prosthesis has a cumulative percent revision of 19.4% at seven years.”

103. Defendants themselves have acknowledged, “[e]very Exactech Optetrak TKR polyethylene component combination demonstrated statistically significant increased revision rates compared to other TKR systems,” citing 2021 Australian Registry data, however, data demonstrating high rates of premature failure were available to Defendants as early as 2007. *See* [https://www.exac.com/wp-content/uploads/2022/02/Exactech-DHCP letter.02.07.2022.pdf](https://www.exac.com/wp-content/uploads/2022/02/Exactech-DHCP%20letter.02.07.2022.pdf)

104. The Optetrak Device had similarly high failure rates as documented in the United Kingdom National Joint Registry. In 2015, the revision rate for the Optetrak Device was 5.02% at seven years and 6.92% at ten years. In 2016, the revision rate for the Optetrak Device was 5.15% at seven years and 7.79% at ten years. In 2017, the revision rate for the Optetrak Device was 5.23% at seven years and 7.45% at ten years. In 2018, the revision rate for the Optetrak CR was 5.53% at seven years and 7.61% at 10 years.

105. The failure rates for the Optetrak Device in the UK Registry were consistently higher compared to other knee replacement devices.

106. Defendants sold these implants worldwide and had a duty to monitor the international registries to assess how their prostheses were faring. Unfortunately, since the United

States does not have a single payor health system, there is no national registry and doctors in the United States are not privy to nor expected to be aware of such data from other continents.

107. Defendants never informed physicians of the high failure rates associated with the Optetrak Devices reported annually in the international registries.

108. Although clinical evidence demonstrated that Optetrak Devices were failing at a rate higher than promoted with instances of excessive revision rates due to device loosening and polyethylene wear, Defendants failed to initiate a recall earlier or issue any communications to healthcare providers that patients should be monitored.

109. Furthermore, earlier disclosure of these failure rates could have impacted the sale of the company to private equity.

110. Had Defendants not actively concealed evidence of growing reports of premature device failures, Plaintiff would have obtained radiological intervention at an earlier time.

111. Such intervention would have led to an earlier diagnosis of bone loss and earlier removal of the Optetrak Device thereby reducing damage to bone and tissue.

112. As a result of Defendants' actions, Plaintiff and Plaintiff's healthcare providers were unaware, and could not have reasonably known or have learned through reasonable diligence, that Plaintiff had been exposed to the risks identified herein, and that those risks were the result of defects in the product due to Defendants' acts, omissions, and misrepresentations.

113. Accordingly, no limitations period ought to accrue until such time as Plaintiff knew or reasonably should have known of some causal connection between Plaintiff being implanted with the Optetrak Device and the resulting harm later suffered by Plaintiff as a result by reason of Defendants' fraudulent concealment.

114. Additionally, Defendants are equitably estopped from asserting any limitations defense by virtue of their fraudulent concealment and other misconduct as described herein.

115. Further, the limitations period ought to be tolled under principles of equitable tolling.

CAUSES OF ACTION

FIRST CAUSE OF ACTION **STRICT LIABILITY – MANUFACTURING DEFECT**

116. Plaintiff hereby incorporates by reference all previous paragraphs of this Complaint as if fully set forth herein and further alleges as follows:

117. Prior to Plaintiff's initial knee surgery, and at all times relevant this action, Defendants tested, studied, researched, designed, formulated, manufactured, inspected, labeled, packaged, promoted, advertised, marketed, distributed, and/or sold the Optetrak Device for implantation into consumers, such as Plaintiff, by orthopedic surgeons in the United States.

118. The Defendants had a duty to manufacture the Optetrak Device in a manner that prevents unreasonable risk of harm or injury to users and patients, including Plaintiff.

119. The Defendants had a duty to distribute, market, and/or sell the Optetrak Device without manufacturing and related packaging defects to prevent an unreasonable risk of harm or injury to users and patients, including Plaintiff.

120. The Optetrak Devices manufactured by the Defendants were not reasonably safe for their expected, intended, and/or foreseeable uses, functions and purposes.

121. The Optetrak Devices were not reasonably safe as manufactured, packaged, distributed, marketed and/or sold by the Defendants.

122. The defects in manufacture of the Optetrak Device were a substantial factor in causing Plaintiff's injuries.

123. At all times herein mentioned, the Defendants tested, studied, researched, designed, formulated, manufactured, inspected, labeled, packaged, promoted, advertised, marketed,

distributed, and/or sold the Optetrak Device, which was implanted in Plaintiff, such that it was dangerous, unsafe, and defective in manufacture. The defects in manufacture include but are not limited to:

- a. Failure to package the polyethylene components of the Optetrak Device in vacuum bags that contain a secondary barrier layer containing ethylene vinyl alcohol (EVOH) as to prevent the components from undergoing increased oxidation and causing patients to experience substantial early polyethylene wear, component loosening and/or other failure causing serious complications including tissue damage, osteolysis, and other injuries as well as the need for revision surgery;
- b. The materials used to package the Optetrak Device were of an inferior grade or quality;
- c. That the Optetrak Device as manufactured differed from Defendants' intended specifications;
- d. That Defendants failed to measure and/or test an adequate number of samples of Optetrak Devices on an ongoing basis;
- e. That Defendants failed to take corrective actions to eliminate or minimize further failures of the Optetrak Device;
- f. That Defendants failed to perform adequate quality control or other such testing on the polyethylene inserts used in the Optetrak Device to ensure they complied with required specifications and were not prematurely degrading while stored;
- g. Failing to select appropriate third-parties to package the polyethylene

inserts used in the Optetrak Device;

- h. Failing to properly supervise and monitor the packaging of the polyethylene inserts used in the Optetrak Device;
- i. That Defendants failed to exercise sufficient quality control to ensure the polyethylene inserts in the Optetrak Devices were safe for implantation in users and patients and would not degrade abnormally under average and regular use; and
- j. That Defendants violated applicable state and federal laws and regulations; and in all other ways.

124. Defendants knew or reasonably should have known and been aware that the Optetrak Devices were defectively manufactured.

125. The manufacturing defects in the Optetrak Device existed when the device left the Defendants' control.

126. Plaintiff's physicians implanted the Optetrak Device in the manner in which it was intended and recommended to be used, making such use reasonably foreseeable to Defendants.

127. The Optetrak Device as tested, studied, researched, designed, formulated, manufactured, inspected, labeled, packaged, promoted, advertised, marketed, distributed, and/or sold by Defendants reached Plaintiff without substantial change in its condition.

128. As alleged herein, Defendants knew or had reason to know that the Optetrak Device caused an increased risk of harm to the Plaintiff and other consumers due to the device's propensity to undergo substantial early polyethylene wear, component loosening, and/or other failure causing serious complications including tissue damage, osteolysis, and other injuries as well as the need for revision surgery in patients.

129. The manufacturing defects of the Optetrak Device presented an unreasonable risk of harm to users and patients exposed to their danger, including Plaintiff, when used and operated for the purposes intended by Defendants.

130. The manufacturing defects of the Optetrak Device presented an unreasonable risk of harm to users and patients exposed to their danger, including Plaintiff, when they were used and operated in a manner that was foreseeable to Defendants.

131. Plaintiff could not, by the exercise of reasonable care, have discovered the manufacturing defect and perceived its dangers or avoided injury.

132. The Defendants are strictly liable for the defective manufacture of the Optetrak Device; the distribution, marketing, and/or sale of the defectively manufactured Optetrak Device; and the injuries sustained by Plaintiff.

133. By reason of the foregoing acts, omissions and conduct committed by the Defendants, Plaintiff was caused to sustain serious personal injuries, conscious pain and suffering, physical disability, mental anguish, emotional distress, fear, loss of enjoyment of life, medical expenses, and financial losses.

134. By reason of the foregoing acts, omissions and conduct committed by Defendants, Plaintiff was caused to sustain serious personal injuries, conscious pain and suffering, and physical disability that will require continued and additional medical treatment.

135. As a direct, proximate and legal consequence of the defective nature of the Optetrak Device as described herein Plaintiff has suffered and continues to suffer permanent and debilitating injuries and damages, including but not limited to, significant pain and discomfort; gait impairment; poor balance; difficulty walking; component part loosening; soft tissue damage; bone loss; and other injuries presently undiagnosed, which all require ongoing medical care.

136. As a further direct, proximate and legal consequence of the defective nature of the Optetrak Device, Plaintiff has sustained and will sustain future damages, including but not limited to cost of medical care; rehabilitation; home health care; loss of earning capacity; mental and emotional distress; and pain and suffering.

137. Defendants acted intentionally, recklessly and wantonly without regard for Plaintiff's rights beyond all standards of decency, entitling Plaintiff to recover punitive damages.

WHEREFORE, Plaintiff demands judgment against Defendants for compensatory and punitive damages, together with interest, costs of suit, attorneys' fees and all such other relief as the Court deems proper.

SECOND CAUSE OF ACTION
STRICT LIABILITY – DESIGN DEFECT

138. Plaintiff hereby incorporates by reference all previous paragraphs of this Complaint as if fully sets forth herein and further alleges as follows:

139. Prior to Plaintiff's initial knee surgery, and at all times relevant this action, Defendants tested, studied, researched, designed, formulated, manufactured, inspected, labeled, packaged, promoted, advertised, marketed, distributed, and/or sold the Optetrak Device for implantation into consumers, such as Plaintiff, by orthopedic surgeons in the United States.

140. Defendants had a duty to design and package the Optetrak Device in a manner that did not present an unreasonable risk of harm or injury to users and patients exposed to their danger, including Plaintiff.

141. Defendants had a duty to distribute, market, and/or sell the Optetrak Device with a design that did not present an unreasonable risk of harm or injury to users and patients exposed to their danger, including Plaintiff.

142. The design of the Optetrak Device and corresponding packaging is defective and

not reasonably safe for its expected, intended, and/or foreseeable uses, functions and purposes.

143. The Optetrak Device and corresponding packaging are not reasonably safe as designed, distributed, marketed, delivered and/or sold by Defendants.

144. The defective design of the Optetrak Device and packaging received by Plaintiff's implanting surgeon were a substantial factor in causing Plaintiff's injuries.

145. At all times relevant to this action, the Defendants tested, studied, researched, designed, formulated, manufactured, inspected, labeled, packaged, promoted, advertised, marketed, distributed, and/or sold the Optetrak Device, which was implanted in Plaintiff, such that it was dangerous, unsafe, and defective in design. The defects in the design include but are not limited to:

- a. That the Optetrak Device has propensity to undergo substantial early polyethylene wear, component loosening and/or other failure causing serious complications including tissue damage, osteolysis, and other injuries as well as the need for revision surgery in patients;
- b. Failure to design the packaging for the polyethylene components of the Optetrak Device in vacuum bags that contain a secondary barrier layer containing ethylene vinyl alcohol (EVOH) as to prevent the components from undergoing increased oxidation and causing patients to experience substantial early polyethylene wear, component loosening and/or other failure causing serious complications including tissue damage, osteolysis, and other injuries as well as the need for revision surgery;
- c. That the materials used within the Optetrak Device and packaging were of an inferior grade or quality than advertised and promoted by Defendants;

- d. Defendants failed to conduct adequate testing, including wear or other testing, on components, subassemblies and/or the finished Optetrak Device as packaged and distributed;
- e. Defendants failed to test an adequate number of samples of Optetrak Devices on an ongoing basis;
- f. Defendants failed to take adequate steps to specifically identify failure modes with the Optetrak Device with clarity and to suggest methods to monitor, avoid, and/or prevent further failures;
- g. Defendants failed to identify and/or note the significance of any testing that resulted in failure of the Optetrak Device;
- h. Defendants failed to take corrective actions to eliminate or minimize further failures of the Optetrak Device;
- i. Defendants failed to adequately design packaging specifications for the components, subassemblies, and/or the finished Optetrak Device;
- j. The polyethylene material used in the Optetrak Device in conjunction with the inferior vacuum bags caused and/or contributed to the devices having a higher failure rate than other similar devices available at the time the Optetrak Devices were put on the market;
- k. The polyethylene material used in the Optetrak Device in conjunction with the inferior vacuum bags caused and/or contributed to the devices having a shorter effective lifetime than other similar devices available at the time the Optetrak Devices were put on the market;
- l. The Defendants' method of designing the polyethylene insert and

packaging increased the risk of users and patients suffering from pain, discomfort, injury and the need for revision surgery; and

- m. That Defendants violated applicable state and federal laws and regulations; and in all other ways.

146. Defendants knew or reasonably should have known and been aware that the Optetrak Devices and packaging were defectively designed.

147. The design defects in the Optetrak Device and packaging existed when the device left the Defendants' control.

148. Plaintiff's physicians implanted the Optetrak Device in the manner in which it was intended and recommended to be used, making such use reasonably foreseeable to Defendants.

149. The Optetrak Device as tested, studied, researched, designed, formulated, manufactured, inspected, labeled, packaged, promoted, advertised, marketed, distributed, and/or sold by Defendants reached Plaintiff without substantial change in its condition.

150. As alleged herein, Defendants knew or had reason to know that the Optetrak Device caused an increased risk of harm to the Plaintiff and other consumers due to the device's propensity to undergo substantial early polyethylene wear, component loosening, and/or other failure causing serious complications including tissue damage, osteolysis, and other injuries as well as the need for revision surgery in patients.

151. The Optetrak Device and packaging as designed carried risks that were outweighed by any utility of the design of the device and packaging because when paired together the implant, the Optetrak Device was dangerous to an extent beyond that which would be contemplated by the ordinary consumer. At no time did Plaintiff have reason to believe that the Optetrak Device and the packaging in which it was received were in a condition not suitable for proper and intended use.

152. The Optetrak Device and packaging were defective in design and unreasonably dangerous when it entered the stream of commerce and was received by Plaintiff, because the foreseeable risks exceeded or outweighed the purported benefits associated with the device.

153. Feasible safer alternative designs providing the same functional purpose were available to the Defendants at the time the Optetrak Device was designed and packaged and offered for sale in the market.

154. For example, Defendants could have utilized vacuum bags containing a secondary barrier layer containing ethylene vinyl alcohol (EVOH) as to prevent the polyethylene components from undergoing increased oxidation according to their own admissions.

155. The design defects of the Optetrak Device and corresponding packaging presented an unreasonable risk of harm to users and patients exposed to their danger, including Plaintiff, when used and operated for the purposes intended by Defendants.

156. The design defects of the Optetrak Device and corresponding packaging presented an unreasonable risk of harm to users and patients exposed to their danger, including Plaintiff, when they were used and operated in a manner that was foreseeable to Defendants.

157. Plaintiff could not, by the exercise of reasonable care, have discovered these design defects and perceived its dangers or avoided injury.

158. The Defendants are strictly liable for the defective design of the Optetrak Device; defective design of the packaging of the Device; the distribution, marketing, and/or sale of the Optetrak Device; and the injuries sustained by Plaintiff.

159. By reason of the foregoing acts, omissions and conduct committed by the Defendants, Plaintiff was caused to sustain serious personal injuries, conscious pain and suffering, physical disability, mental anguish, emotional distress, fear, loss of enjoyment of life, medical

expenses, and financial losses.

160. By reason of the foregoing acts, omissions and conduct committed by Defendants, Plaintiff was caused to sustain serious personal injuries, conscious pain and suffering, and physical disability that will require continued and additional medical treatment.

161. As a direct, proximate and legal consequence of the defective nature of the Optetrak Device as described herein, Plaintiff has suffered and continues to suffer permanent and debilitating injures and damages, including but not limited to, significant pain and discomfort; gait impairment; poor balance; difficulty walking; component part loosening; soft tissue damage; bone loss; and other injuries presently undiagnosed, which all require ongoing medical care.

162. As a further direct, proximate and legal consequence of the defective nature of the Optetrak Device, Plaintiff has sustained and will sustain future damages, including but not limited to cost of medical care; rehabilitation; home health care; loss of earning capacity; mental and emotional distress; and pain and suffering.

163. Defendants acted intentionally, recklessly and wantonly without regard for Plaintiff's rights beyond all standards of decency, entitling Plaintiff to recover punitive damages.

WHEREFORE, Plaintiff demands judgment against Defendants for compensatory and punitive damages, together with interest, costs of suit, attorneys' fees and all such other relief as the Court deems proper.

THIRD CAUSE OF ACTION
STRICT LIABILITY – FAILURE TO WARN

164. Plaintiff hereby incorporates by reference all previous paragraphs of this Complaint as if fully sets forth herein and further alleges as follows:

165. Prior to Plaintiff's initial knee surgery, and at all times relevant this action,

Defendants tested, studied, researched, designed, formulated, manufactured, inspected, labeled, packaged, promoted, advertised, marketed, distributed, and/or sold the Optetrak Device for implantation into consumers, such as Plaintiff, by orthopedic surgeons in the United States.

166. Defendants had a duty to provide adequate warnings regarding the Optetrak Device in a manner that did not present an unreasonable risk of harm or injury to users and patients exposed to their danger, including Plaintiff.

167. Defendants had a duty to distribute, market, and/or sell the Optetrak Device with adequate warnings that did not present an unreasonable risk of harm or injury to users and patients exposed to their danger, including Plaintiff.

168. The warnings that accompanied the Optetrak Device and corresponding packaging were defective thereby making the product not reasonably safe for its expected, intended, and/or foreseeable uses, functions and purposes.

169. The Optetrak Device and corresponding packaging are not reasonably safe as labeled, distributed, marketed, delivered and/or sold by Defendants.

170. Inadequate labeling accompanying the Optetrak Device and packaging received by Plaintiff's implanting surgeon was a substantial factor in causing Plaintiff's injuries.

171. At all times relevant to this action, the Defendants tested, studied, researched, designed, formulated, manufactured, inspected, labeled, packaged, promoted, advertised, marketed, distributed, and/or sold the Optetrak Device, which was implanted in Plaintiff, such that it was dangerous, unsafe, and defective.

172. The Optetrak Device was defective and unreasonably dangerous when it entered the stream of commerce and was received by Plaintiff, because the warnings in the instructions for use, operative techniques, directions, marketing and promotional materials, advertisements, white

papers, and other communications provided by Defendants or its sales force to physicians and patients with or about the Optetrak Device failed to adequately convey the potential risks and side effects of the Optetrak Device and the dangerous propensities of the device, which risks were known or were reasonably scientifically knowable to Defendants.

173. In particular, Defendants failed to adequately disclose the device's propensity to undergo substantial early polyethylene wear, component loosening and/or other failure causing serious complications including tissue damage, bone loss, osteolysis, and other injuries as well as the need for revision surgery in patients.

174. Defendants consciously disregarded the increased risks of harm by failing to adequately warn of such risks; unlawfully concealing the dangerous problems associated with implantation of the Optetrak Device; and continuing to market, promote, sell and defend the Optetrak Device until the very recent recall.

175. Defendants knew or reasonably should have known and been aware that the Optetrak Devices and packaging contained inadequate warnings.

176. The inadequate warnings for the Optetrak Device existed when the device left the Defendants' control.

177. Plaintiff's physician implanted the Optetrak Device in the manner in which it was intended and recommended to be used, making such use reasonably foreseeable to Defendants.

178. The Optetrak Device as tested, studied, researched, designed, formulated, manufactured, inspected, labeled, packaged, promoted, advertised, marketed, distributed, and/or sold by Defendants reached Plaintiff without substantial change in its condition.

179. As alleged herein, Defendants knew or had reason to know that the Optetrak Device caused an increased risk of harm to the Plaintiff and other consumers due to the device's propensity

to undergo substantial early polyethylene wear, component loosening, and/or other failure causing serious complications including tissue damage, osteolysis, and other injuries as well as the need for revision surgery in patients.

180. The Optetrak Device that was labeled, manufactured, distributed, and sold by the Defendants to Plaintiff was in a defective condition that was unreasonably dangerous to any user or ordinary consumer of the device, including Plaintiff.

181. The labeling defects of the Optetrak Device and corresponding packaging presented an unreasonable risk of harm to users and patients exposed to their danger, including Plaintiff, when used and operated for the purposes intended by Defendants.

182. The labeling defects of the Optetrak Device and corresponding packaging presented an unreasonable risk of harm to users and patients exposed to their danger, including Plaintiff, when they were used and operated in a manner that was foreseeable to Defendants.

183. Plaintiff could not, by the exercise of reasonable care, have discovered these defects and perceived its dangers or avoided injury.

184. Defendants failed to issue new warnings or initiate a recall in a timely manner as to help minimize the damage and bone loss occurring in patients, including Plaintiff.

185. The Defendants are strictly liable for providing inadequate warnings accompanying the Optetrak Device and packaging of the Device; the distribution, marketing, and/or sale of the Optetrak Device; and the injuries sustained by Plaintiff.

186. By reason of the foregoing acts, omissions and conduct committed by the Defendants, Plaintiff was caused to sustain serious personal injuries, conscious pain and suffering, physical disability, mental anguish, emotional distress, fear, loss of enjoyment of life, medical expenses, and financial losses.

187. By reason of the foregoing acts, omissions and conduct committed by Defendants, Plaintiff was caused to sustain serious personal injuries, conscious pain and suffering, and physical disability that will require continued and additional medical treatment.

188. As a direct, proximate and legal consequence of the defective nature of the Optetrak Device as described herein, Plaintiff has suffered and continues to suffer permanent and debilitating injures and damages, including but not limited to, significant pain and discomfort; gait impairment; poor balance; difficulty walking; component part loosening; soft tissue damage; bone loss; and other injuries presently undiagnosed, which all require ongoing medical care.

189. As a further direct, proximate and legal consequence of the defective nature of the Optetrak Device, Plaintiff has sustained and will sustain future damages, including but not limited to cost of medical care; rehabilitation; home health care; loss of earning capacity; mental and emotional distress; and pain and suffering.

190. Defendants acted intentionally, recklessly and wantonly without regard for Plaintiff's rights beyond all standards of decency, entitling Plaintiff to recover punitive damages.

WHEREFORE, Plaintiff demands judgment against Defendants for compensatory and punitive damages, together with interest, costs of suit, attorneys' fees and all such other relief as the Court deems proper.

FOURTH CAUSE OF ACTION
NEGLIGENCE

191. Plaintiff hereby incorporates by reference all previous paragraphs of this Complaint as if fully set forth herein and further alleges as follows:

192. Prior to Plaintiff's initial knee surgery, and at all times relevant this action, Defendants tested, studied, researched, designed, formulated, manufactured, inspected, labeled, packaged, promoted, advertised, marketed, distributed, and/or sold the Optetrak Device for

implantation into consumers, such as Plaintiff, by orthopedic surgeons in the United States.

193. Prior to, on, and after the dates of Plaintiff's initial knee surgery, and at all times relevant to this action, Defendants had a duty to exercise reasonable care in testing, study, research, design, formulation, manufacture, inspection, labeling, packaging, promotion, advertisement, marketing, distribution and sale of the Optetrak Device for implantation into consumers, such as Plaintiff, by physicians and surgeons in the United States.

194. Prior to, on, and after the dates of Plaintiff's initial knee surgery, Defendants breached this duty and failed to exercise reasonable care and were grossly negligent and careless in the testing, study, research, design, formulation, manufacture, inspection, labeling, packaging, promotion, advertisement, marketing, distribution and sale of the Optetrak Device.

195. Following Plaintiff's initial knee surgery, Defendants breached this duty and failed to exercise reasonable care and were grossly negligent and careless in failing to recall the Optetrak Device.

196. At all times material hereto, the Defendants had actual knowledge, or in the alternative, should have known through the exercise of reasonable and prudent care, of the hazards and dangers associated with the Optetrak Device.

197. Defendants had access to registry data and were aware of complaints that the Optetrak Device caused serious complications including but not limited to polyethylene wear and/or other failure causing serious complications including component loosening, tissue damage, osteolysis, bone loss and the need for revision surgery in patients.

198. Despite the fact Defendants knew or should have known the Optetrak Device posed a serious risk of bodily harm to consumers, Defendants continued to manufacture and market the Optetrak Device for implantation into consumers.

199. Despite the fact Defendants knew or should have known the Optetrak Device posed a serious risk of bodily harm to consumers, Defendants continued to manufacture and market the Optetrak Device for implantation into consumers without revising any warning language or issuing an earlier recall.

200. Defendants failed to advise surgeons and patients of the need for regular follow-up beyond the ordinary practices after a total knee implant as to promptly detect polyethylene degradation and osteolytic failure and timely revise the device to prevent or at least minimize bone loss, osteolysis and related injuries.

201. Defendants failed to exercise due care under the circumstances, and their gross negligence and recklessness includes the following acts and omissions:

- a. Negligently failing to properly package the polyethylene components of the Optetrak Device;
- b. Negligently failing to select appropriate third-parties to package the polyethylene inserts used in the Optetrak Device;
- c. Negligently failing to properly supervise and monitor the packaging of the polyethylene inserts used in the Optetrak Device;
- d. Negligently failing to properly and thoroughly select the material that would be used in the packaging of the Optetrak Device;
- e. Negligently failing to properly and thoroughly select the materials that would be used in the Optetrak Device;
- f. Negligently failing to properly and adequately test the Optetrak Device and their attendant parts before releasing the devices to market;
- g. Negligently failing to conduct sufficient post-market testing and surveillance of

the Optetrak Device;

- h. Negligently failing to adequately prevent, identify, mitigate, and fix defective designs and hazards associated with the Optetrak Device in accordance with good practices;
- i. Negligently designing, manufacturing, marketing, advertising, distributing, and selling the Optetrak Device;
- j. Continuing to negligently manufacture, and distribute the Optetrak Device after the Defendants knew or should have known of their adverse effects and/or the increased early onset failure rates;
- k. Negligently designing, manufacturing, marketing, advertising, distributing, and selling the Optetrak Device to consumers, including Plaintiff, without an adequate warning of the dangerous risks of the Optetrak Device;
- l. Negligently failing to notify and warn the public, including Plaintiff, and physicians of reported incidents involving injury and the negative health effects attendant to the use of the Optetrak Device;
- m. Negligently misrepresenting the safety of the Optetrak Device;
- n. Negligently failing to provide warnings, instructions or other information that accurately reflected the risks of early failure of the Optetrak Device;
- o. Negligently failing to provide warnings, instructions or other information that accurately reflected the risks of early degradation of the polyethylene substance in the Optetrak Device;
- p. Negligently failing to exercise due care in the advertisement and promotion of the Optetrak Device;

- q. Negligently disseminating information that was inaccurate, false, and misleading, and which failed to communicate accurately or adequately the high early failure rate associated with the implantation of the Optetrak Device;
- r. Aggressively promoting the Optetrak Device without proper warnings of the risk of early failure or material degradation in the average user;
- s. Aggressively promoting the Optetrak Device even after Defendants knew or should have known of the unreasonable risks from implantation;
- t. Negligently failing to warn consumers, doctors, users and patients that the Optetrak Device would contain polyethylene materials not properly packaged and/or in accordance with Defendants' specifications;
- u. Negligently diminishing or hiding the risks associated with the implantation of the Optetrak Device;
- v. Negligently failing to recall the Optetrak Device at an earlier date and institute a process to have patients notified; and
- w. Negligently violating applicable state and federal laws and regulations; and in all other ways.

202. Defendants knew and/or should have known that it was foreseeable that consumers such as Plaintiff would suffer injuries as a result of Defendants' failure to exercise ordinary care in the manufacture, design, testing, assembly, inspection, labeling, packaging, supplying, marketing, selling, advertising, preparing for use, warning of the risks and dangers of the Defective Implants, and otherwise distributing the Optetrak Device.

203. By reason of the foregoing acts, omissions and conduct committed by the Defendants, Plaintiff was caused to sustain serious personal injuries, conscious pain and suffering,

physical disability, mental anguish, emotional distress, fear, loss of enjoyment of life, medical expenses, and financial losses.

204. By reason of the foregoing acts, omissions and conduct committed by Defendants, Plaintiff was caused to sustain serious personal injuries, conscious pain and suffering, and physical disability that will require continued and additional medical treatment.

205. As a direct and proximate result of Defendants' acts and omissions, including their failure to exercise ordinary care in the design, formulation, testing, manufacture, labeling, sale, and distribution of the Optetrak Device, Plaintiff was implanted with the Optetrak Device and was caused to sustain serious personal injuries, conscious pain and suffering, physical disability, mental anguish, emotional distress, fear, loss of enjoyment of life, medical expenses, and financial losses.

206. As a further direct, proximate and legal consequence of Defendants' acts and omissions, including their failure to exercise ordinary care in the design, formulation, testing, manufacture, labeling, sale, and distribution of the Optetrak Device, Plaintiff has sustained and will sustain future damages, including but not limited to cost of medical care; rehabilitation; home health care; loss of earning capacity; mental and emotional distress; and pain and suffering.

207. Defendants acted intentionally, recklessly and wantonly without regard for Plaintiff's rights beyond all standards of decency, entitling Plaintiff to recover punitive damages.

WHEREFORE, Plaintiff demands judgment against Defendants for compensatory and punitive damages, together with interest, costs of suit, attorneys' fees and all such other relief as the Court deems proper.

FIFTH CAUSE OF ACTION
NEGLIGENT MISREPRESENTATION

208. Plaintiff hereby incorporates by reference all previous paragraphs of this Complaint as if fully set forth herein and further alleges as follows:

209. Prior to Plaintiff's initial knee surgery, and at all times relevant this action, Defendants tested, studied, researched, designed, formulated, manufactured, inspected, labeled, packaged, promoted, advertised, marketed, distributed, and/or sold the Optetrak Device for implantation into consumers, such as Plaintiff, by orthopedic surgeons in the United States.

210. Defendants owed a duty to orthopedic surgeons, other healthcare providers and to consumers of the Optetrak Device, including Plaintiff, to accurately and truthfully represent the risks of the Optetrak Device. Defendants breached their duty by misrepresenting and/or failing to adequately warn Plaintiff's orthopedic surgeon, the medical community, Plaintiff, and the public about the risks of the Optetrak Device, including the device's propensity to undergo substantial early polyethylene wear, component loosening and/or other failure causing serious complications including tissue damage, osteolysis, and other injuries as well as the need for revision surgery in patients, which Defendants knew or in the exercise of diligence should have known.

211. The Defendants, as the designers, manufacturers, sellers, promoters, and/or distributors of the Optetrak Device knew, or reasonably should have known, that health care professionals and consumers of the Optetrak Device would rely on information disseminated and marketed to them regarding the product when weighing the potential benefits and potential risks of implanting Optetrak Device.

212. The Defendants, as the designers, manufacturers, sellers, promoters, and/or distributors of the Optetrak Device knew, or reasonably should have known, that the patients implanted with Optetrak Device would suffer early failure and require revision surgery because the information disseminated by Defendants and relied upon by health care professionals and consumers, including Plaintiff, was materially inaccurate, misleading, or otherwise false.

213. The Defendants failed to exercise reasonable care to ensure that the information

they disseminated to health care professionals and consumers concerning the quality and longevity of the Optetrak Device was accurate, complete, and not misleading. As a result, Defendants disseminated information to health care professionals and consumers that was materially inaccurate, misleading, false, and unreasonably dangerous to consumers such as Plaintiff.

214. Among Defendants' numerous misrepresentations and misleading omissions are Defendants' assurances that the Optetrak Device was safe, had an excellent performance record, and did not have a greater propensity to undergo substantial early polyethylene wear, component loosening and/or other failure causing serious complications including tissue damage, osteolysis, and other injuries as well as the need for revision surgery in patients.

215. Despite their knowledge of serious problems with the Optetrak Device, Defendants urged their sales representatives to continue marketing the Optetrak Device, and distributed medical literature, white papers, non-peer reviewed studies, and other communications to surgeons in an effort to mislead them and the general public about the risks associated with the Optetrak Device and instead create the image and impression that the Optetrak Device was safe.

216. Defendants made such statements even after they became aware of numerous and serious complications with the Optetrak Device. Defendants did not reveal (and instead concealed) their knowledge of numerous and serious complications and other bad data.

217. Defendants made these representations with the intent to induce reliance thereon, and to encourage purchase and implantation of the Optetrak Device.

218. The misrepresentations made by Defendants, in fact were false and known by Defendants to be false at the time the misrepresentations were made.

219. Misrepresentations spanned a number of years, but also include the critical time period of 2017 – 2018 when the company was in the process of being acquired by the Private

Equity Group TPG Capital which in February 2018 successfully completed a merger agreement. As a result, TPG acquired all of the issued and outstanding common stock of Exactech. In connection with the transaction, Exactech's founders, CEO and certain other management shareholders exchanged a portion of their shares in the transaction, for new equity securities in the post-closing ownership of the Company. *See* <https://www.exac.com/exactech-announces-completion-of-merger-with-tpg-capital/>.

220. Full disclosure of the magnitude of the problem with the polyethylene failure might have negatively impacted the merger prospects and the merger may have been one of the reasons the problems were concealed.

221. Nevertheless, after the merger in 2018, it still took four years for Defendants to reveal the product defects and their health consequences to the medical community and to the patients, including Plaintiff, even though the key officers of Exactech generally continued with their roles in the newly merged company.

222. Defendants failed to exercise ordinary care in making their representations concerning the Optetrak Device and, in the manufacture, sale, testing, quality assurance, quality control, and distribution in interstate commerce of the Optetrak Device.

223. By reason of the foregoing acts, omissions and conduct committed by the Defendants, Plaintiff was caused to sustain serious personal injuries, conscious pain and suffering, physical disability, mental anguish, emotional distress, fear, loss of enjoyment of life, medical expenses, and financial losses.

224. By reason of the foregoing acts, omissions and conduct committed by Defendants, Plaintiff was caused to sustain serious personal injuries, conscious pain and suffering, and physical disability that will require continued and additional medical treatment.

225. As a direct and proximate result of Defendants' acts and omissions, including Defendants' negligent misrepresentations regarding the Optetrak Device, Plaintiff was implanted with the Optetrak Device and was caused to sustain serious personal injuries, conscious pain and suffering, physical disability, mental anguish, emotional distress, fear, loss of enjoyment of life, medical expenses, and financial losses.

226. As a further direct, proximate and legal consequence of Defendants' acts and omissions, including Defendants' negligent misrepresentations regarding the Optetrak Device, Plaintiff has sustained and will sustain future damages, including but not limited to cost of medical care; rehabilitation; home health care; loss of earning capacity; mental and emotional distress; and pain and suffering.

227. Defendants acted intentionally, recklessly and wantonly without regard for Plaintiff's rights beyond all standards of decency, entitling Plaintiff to recover punitive damages.

WHEREFORE, Plaintiff demands judgment against Defendants for compensatory and punitive damages, together with interest, costs of suit, attorneys' fees and all such other relief as the Court deems proper.

SIXTH CAUSE OF ACTION
BREACH OF EXPRESS WARRANTY

228. Plaintiff hereby incorporates by reference all previous paragraphs of this Complaint as if fully set forth herein and further alleges as follows:

229. Prior to Plaintiff's initial knee surgery, and at all times relevant this action, Defendants tested, studied, researched, designed, formulated, manufactured, inspected, labeled, packaged, promoted, advertised, marketed, distributed, and/or sold the Optetrak Device for implantation into consumers, such as Plaintiff, by orthopedic surgeons in the United States.

230. Defendants expressly warranted the Optetrak Devices, including the Optetrak

Comprehensive Total Knee System and the Optetrak Logic Comprehensive Knee System, were safe and effective orthopedic devices.

231. Defendants promised that the Optetrak Device had excellent long-term clinical outcomes and that “surgeons and patients can have every confidence in the performance and longevity of the Optetrak knee system.”

232. At the time Defendants manufactured, marketed, sold and/or distributed the Optetrak Devices, they knew that the devices were intended for human use, and that Plaintiff was a foreseeable user of the Optetrak Device.

233. The express warranties represented by Defendants were a part of the basis for Plaintiff’s use of the Optetrak Devices, and he and his surgeon relied on these warranties in deciding to use the Optetrak Devices.

234. At the time of the making of the express warranties, Defendants had knowledge of the purpose for which the Optetrak Devices were to be used, and warranted the same to be in all respects safe, effective and proper for such purpose.

235. The Optetrak Devices do not conform to these express representations as demonstrated by the fact that Plaintiff’s implant failed prematurely due to polyethylene wear of the tibial insert which necessitated him to undergo revision surgery.

236. At the time Defendants marketed, sold and/or distributed the Optetrak Devices, Defendants expressly warranted that the total knee replacement systems, including all of their component parts, were safe and merchantable for their intended use.

237. Plaintiff and his implanting physician reasonably relied upon Defendants’ express warranties.

238. Plaintiff used the Optetrak Device for its intended purpose, and in a reasonably

foreseeable manner.

239. The Optetrak Devices manufactured and sold by Defendants, did not conform to Defendants' express representations because the Optetrak Device caused serious injury to Plaintiff when used as recommended and directed.

240. As a direct and proximate result of Defendants' acts and omissions, including breach of express warranty, Plaintiff was implanted with the Optetrak Device and was caused to sustain serious personal injuries, conscious pain and suffering, physical disability, mental anguish, emotional distress, fear, loss of enjoyment of life, medical expenses, and financial losses.

241. As a further direct, proximate and legal consequence of Defendants' acts and omissions, including breach of express warranty, Plaintiff has sustained and will sustain future damages, including but not limited to cost of medical care; rehabilitation; home health care; loss of earning capacity; mental and emotional distress; and pain and suffering.

242. Defendants acted intentionally, recklessly and wantonly without regard for Plaintiff's rights beyond all standards of decency, entitling Plaintiff to recover punitive damages.

WHEREFORE, Plaintiff demands judgment against Defendants for compensatory and punitive damages, together with interest, costs of suit, attorneys' fees and all such other relief as the Court deems proper.

SEVENTH CAUSE OF ACTION
BREACH OF IMPLIED WARRANTY

243. Plaintiff hereby incorporates by reference all previous paragraphs of this Complaint as if fully set forth herein and further alleges as follows:

244. Prior to Plaintiff's initial knee surgery, and at all times relevant this action, Defendants tested, studied, researched, designed, formulated, manufactured, inspected, labeled, packaged, promoted, advertised, marketed, distributed, and/or sold the Optetrak Device for

implantation into consumers, such as Plaintiff, by orthopedic surgeons in the United States.

245. Defendants impliedly warranted, through its marketing, advertising, distributors and sales representatives, that the Optetrak Device was of merchantable quality, and fit for the ordinary purposes and uses for which it was sold.

246. In fact, the Optetrak Device was not of merchantable quality nor fit for the ordinary purposes and uses for which it was sold and did not meet the expectations of consumers.

247. The Optetrak Device manufactured and supplied by Defendants was not of merchantable quality and was not fit for the ordinary and/or particular purpose for which it was intended as physicians and patients would expect the components to be properly packaged and stored as to avoid premature degradation of component materials.

248. Plaintiff and/or his physician reasonably relied upon the skill and judgment of Defendants as to whether the Optetrak Device was of merchantable quality and safe for its intended and particular use and purpose.

249. Contrary to such implied warranties, the Optetrak Device was not of merchantable quality or safe for its intended and particular use and purpose, because Defendants failed to package the polyethylene components of the Optetrak Device in vacuum bags containing a secondary barrier layer containing ethylene vinyl alcohol (EVOH) as to prevent the components from undergoing increased oxidation and causing patients to experience substantial early polyethylene wear, component loosening and/or other failure causing serious complications including tissue damage, osteolysis, and other injuries as well as the need for revision surgery.

250. As a direct and proximate result of Defendants' acts and omissions, including breach of implied warranties, Plaintiff was implanted with the Optetrak Device and was caused to sustain serious personal injuries, conscious pain and suffering, physical disability, mental anguish,

emotional distress, fear, loss of enjoyment of life, medical expenses, and financial losses.

251. As a further direct, proximate and legal consequence of Defendants' acts and omissions, including breach of implied warranties, Plaintiff has sustained and will sustain future damages, including but not limited to cost of medical care; rehabilitation; home health care; loss of earning capacity; mental and emotional distress; and pain and suffering.

252. Defendants acted intentionally, recklessly and wantonly without regard for Plaintiff's rights beyond all standards of decency, entitling Plaintiff to recover punitive damages.

WHEREFORE, Plaintiff demands judgment against Defendants for compensatory and punitive damages, together with interest, costs of suit, attorneys' fees and all such other relief as the Court deems proper.

EIGHTH CAUSE OF ACTION
FRAUDULENT CONCEALMENT

253. Plaintiff hereby incorporates by reference all previous paragraphs of this Complaint as if fully set forth herein and further alleges as follows:

254. Defendants, through their affirmative and intentional misrepresentations and omissions, actively concealed from Plaintiff and Plaintiff's healthcare providers the true and significant risks associated with the Optetrak Device, intending to mislead the same by claiming any failures were due to surgical technique, positioning or patient characteristics.

255. Following implantation of the Device, Plaintiff and Plaintiff's healthcare providers relied on Defendants' continued representations that the Optetrak Device had excellent long-term clinical outcomes.

256. Defendants made these representations with knowledge of their falsity given their knowledge of reports of high failure rates.

257. Although clinical evidence demonstrated that Optetrak Device was failing at a rate

higher than promoted with instances of excessive revision rates due to device loosening and polyethylene wear, Defendants failed to initiate a recall earlier or issue any communications to healthcare providers that patients should be monitored.

258. Furthermore, earlier disclosure of these failure rates could have impacted the sale of the company to private equity.

259. Had Defendants not intentionally and knowingly concealed evidence of growing reports of premature device failures, Plaintiff would have obtained radiological intervention at an earlier time.

260. Such intervention would have led to an earlier removal of the Optetrak Device, thereby reducing damage to bone and tissue.

261. As a result of Defendants' actions, Plaintiff and Plaintiff's healthcare providers were unaware, and could not have reasonably known or have learned through reasonable diligence, that Plaintiff had been exposed to the risks identified herein, and that those risks were the result of defects in the product due to Defendants' acts, omissions, and misrepresentations.

262. Accordingly, no limitations period ought to accrue until such time as Plaintiff knew or reasonably should have known of some causal connection between Plaintiff being implanted with the Optetrak Device, and the resulting harm later suffered by Plaintiff as a result by reason of Defendants' fraudulent concealment.

263. Additionally, Defendants are equitably estopped from asserting any limitations defense by virtue of their fraudulent concealment and other misconduct as described herein.

264. Further, the limitations period ought to be tolled under principles of equitable tolling.

PRAYER FOR RELIEF

WHEREFORE, Plaintiff demands judgment against Defendants, and each of them, individually, jointly, and severally, as follows:

- a. Judgment in favor of Plaintiff and against all Defendants, for damages in such amounts as may be proven at trial;
- b. Compensation for both economic and non-economic losses, including but not limited to medical expenses, loss of earnings, disfigurement, pain and suffering, mental anguish, and emotional distress, in such amounts as may be proven at trial;
- c. Punitive and/or exemplary damages in such amounts as may be proven at trial;
- d. Attorneys' fees and costs;
- e. Interest; and
- f. Any and all further relief, both legal and equitable, that the Court may deem just and proper.

JURY DEMAND

Plaintiff demands a jury trial on all issues.

Dated: September 20, 2022

Respectfully Submitted,

THE JOEL BIEBER FIRM

/s/ Jason M. Hart

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